

4.2.C. 0603000403.

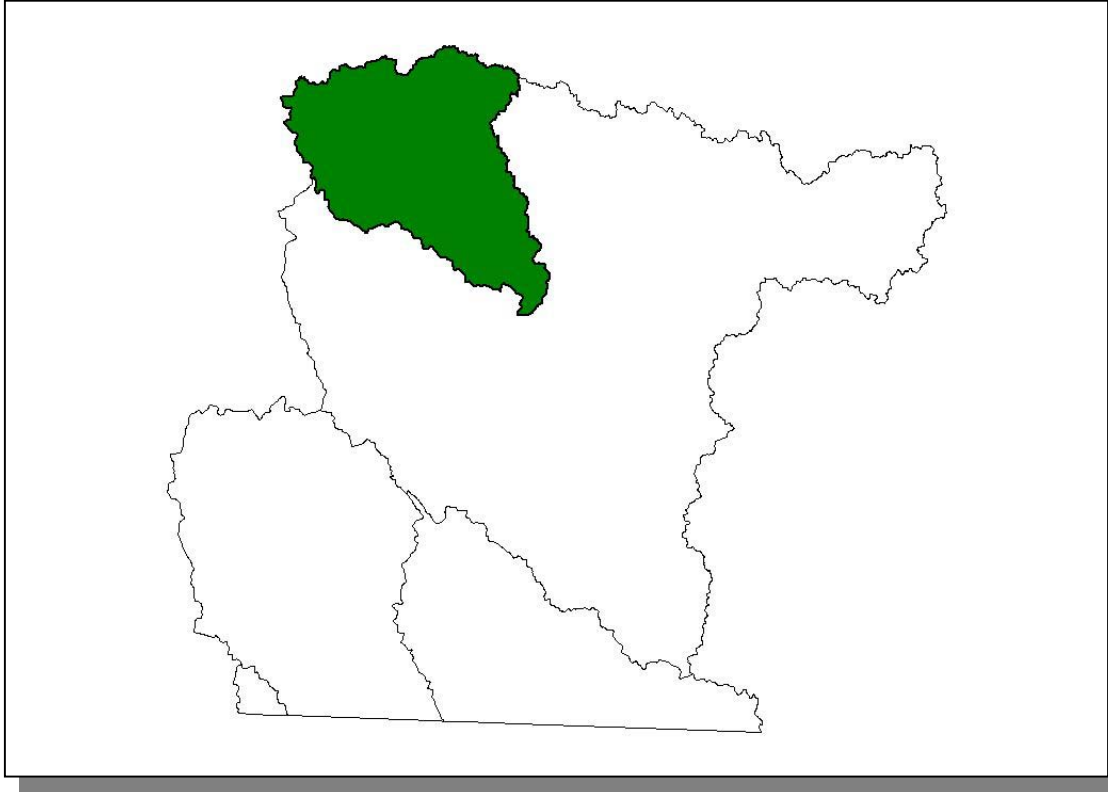


Figure 4-22. Location of Subwatershed 0603000403. All Lower Elk HUC-10 subwatershed boundaries are shown for reference.

4.2.C.i. General Description.

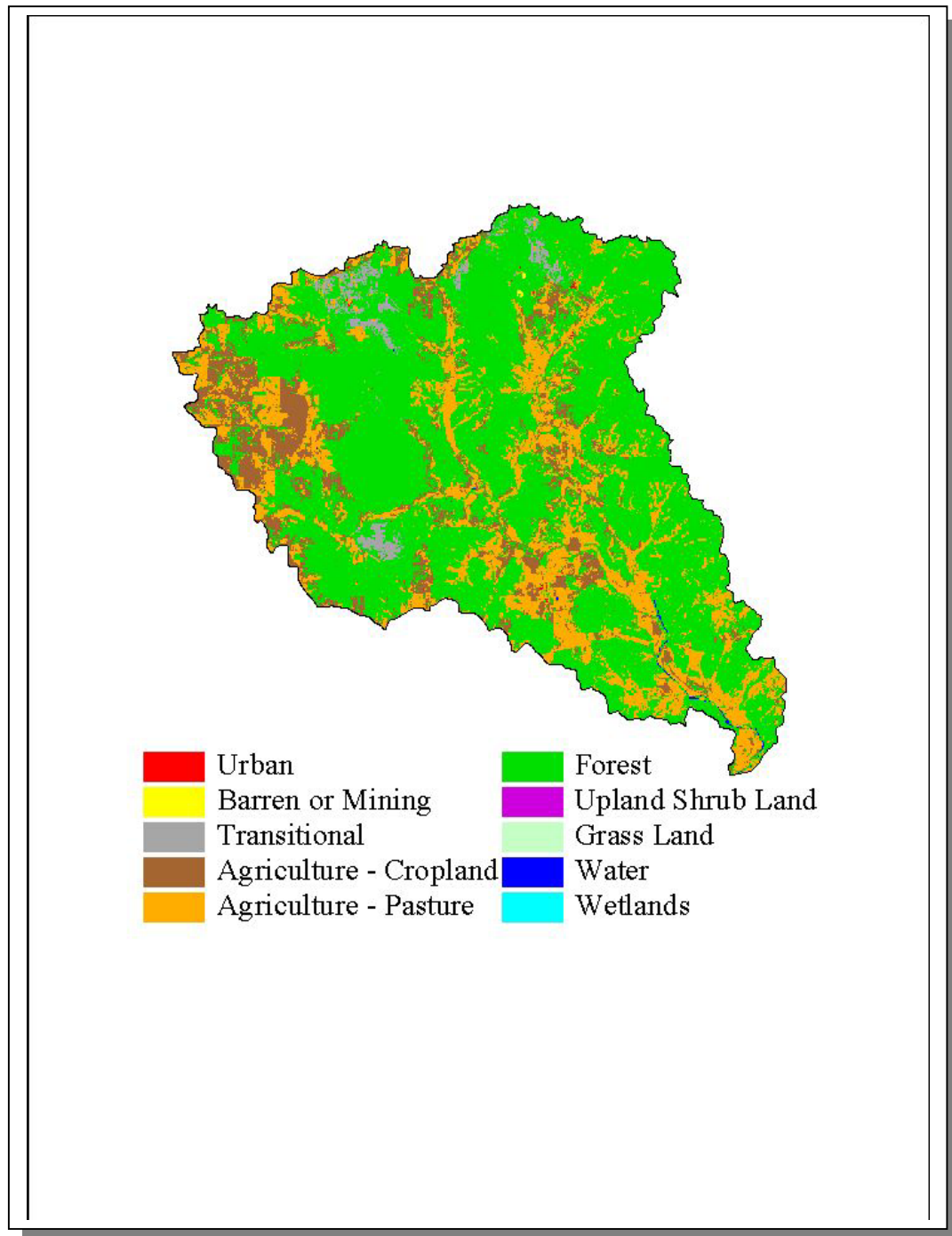


Figure 4-23. Illustration of Land Use Distribution in Subwatershed 0603000403.

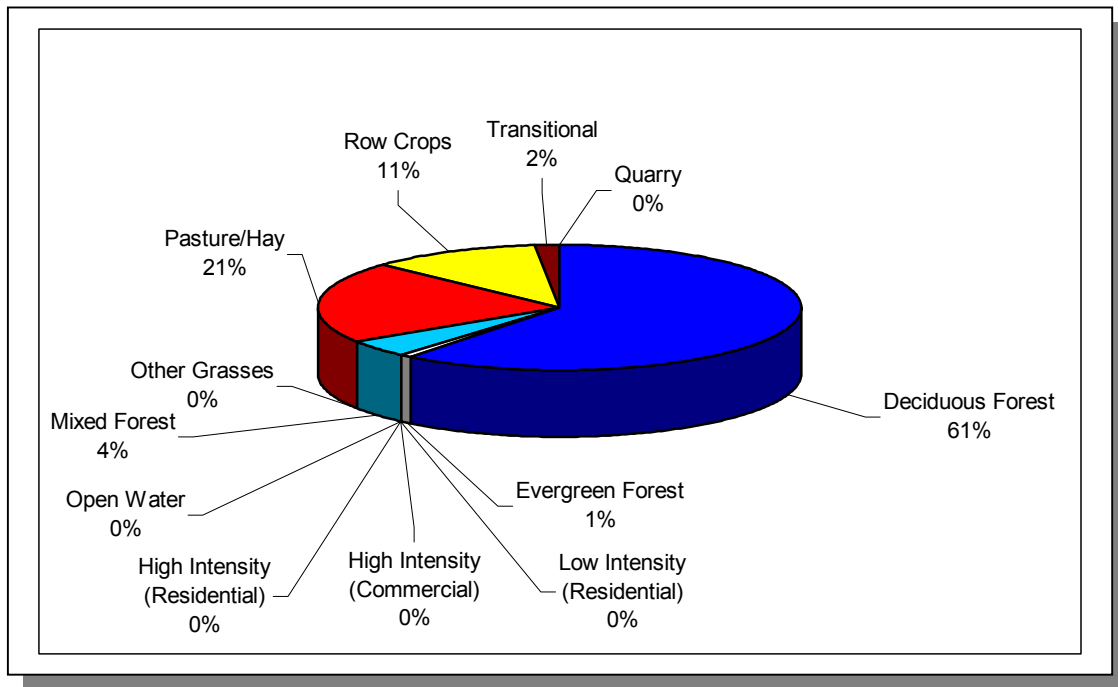


Figure 4-24. Land Use Distribution in Subwatershed 0603000403. More information is provided in Lower Elk-Appendix IV.

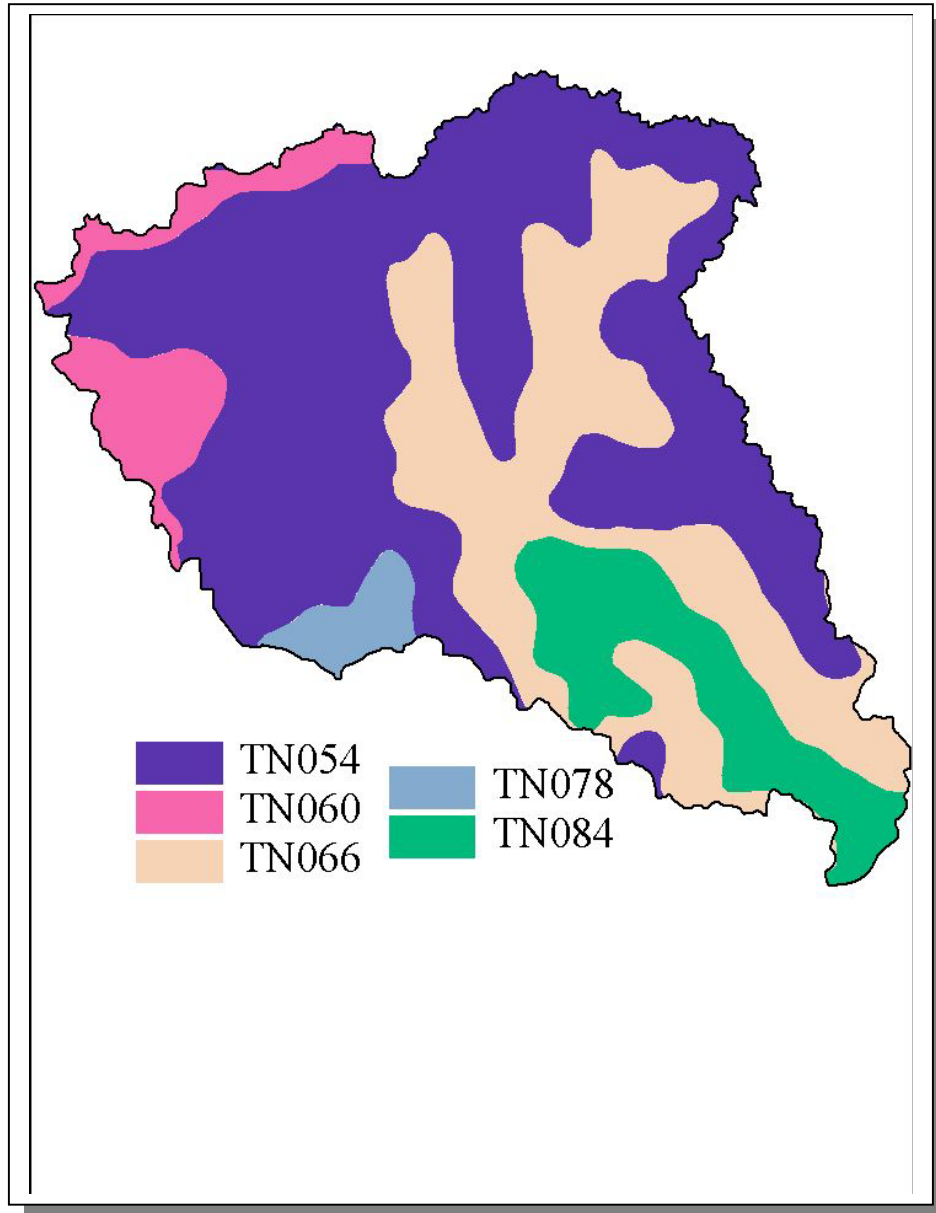


Figure 4-25. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000403.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN066	0.00	B	2.62	4.75	Loam	0.28
TN078	5.00	B	1.73	4.96	Silty Loam	0.39
TN084	0.00	C	1.80	4.99	Silty Loam	0.28

Table 4-17. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000403. More information is provided in Lower Elk-Appendix IV.

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County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Giles	25,741	28,515	11.93	3,072	3,403	10.8
Lawrence	35,303	39,095	2.05	724	802	10.8
Maury	54,812	68,268	0.01	6	7	16.7
Total	115,856	135,878		3,802	4,212	10.8

Table 4-18. Population Estimates in Subwatershed 0603000403.

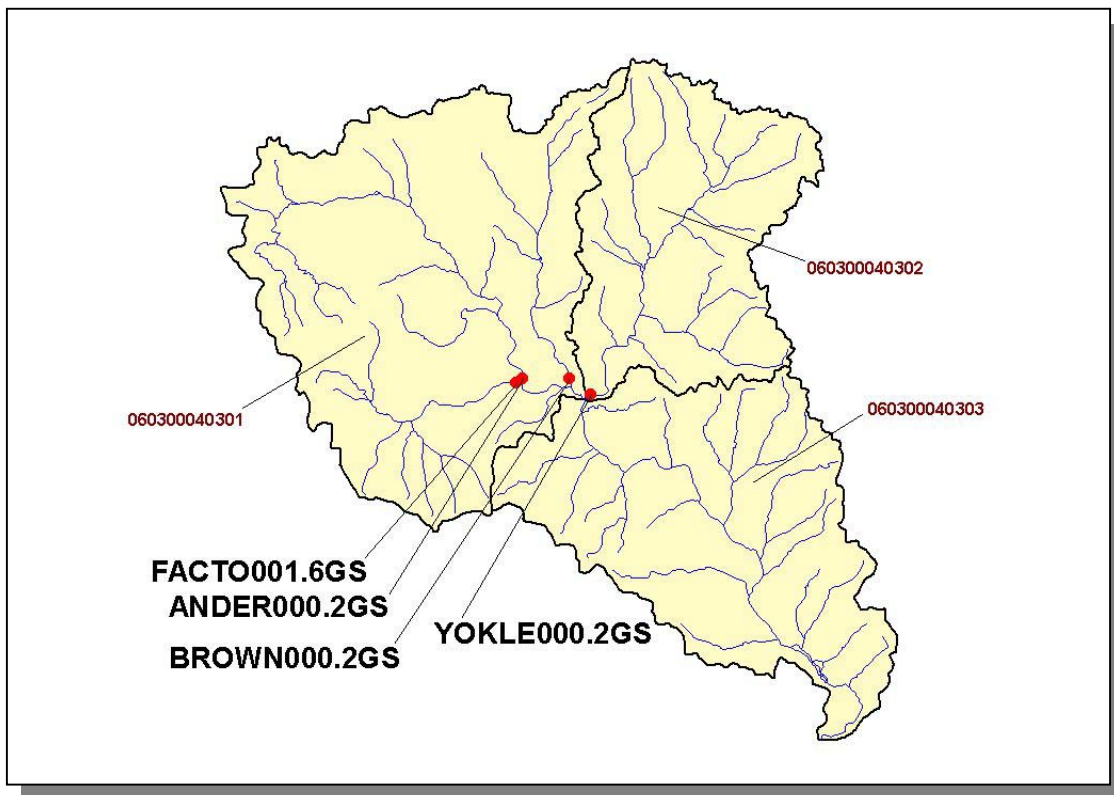


Figure 4-26. Location of STORET Monitoring Sites in Subwatershed 0603000403. Subwatershed 060300040301, 060300040302, and 060300040303 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

4.2.C.ii. Point Source Contributions.

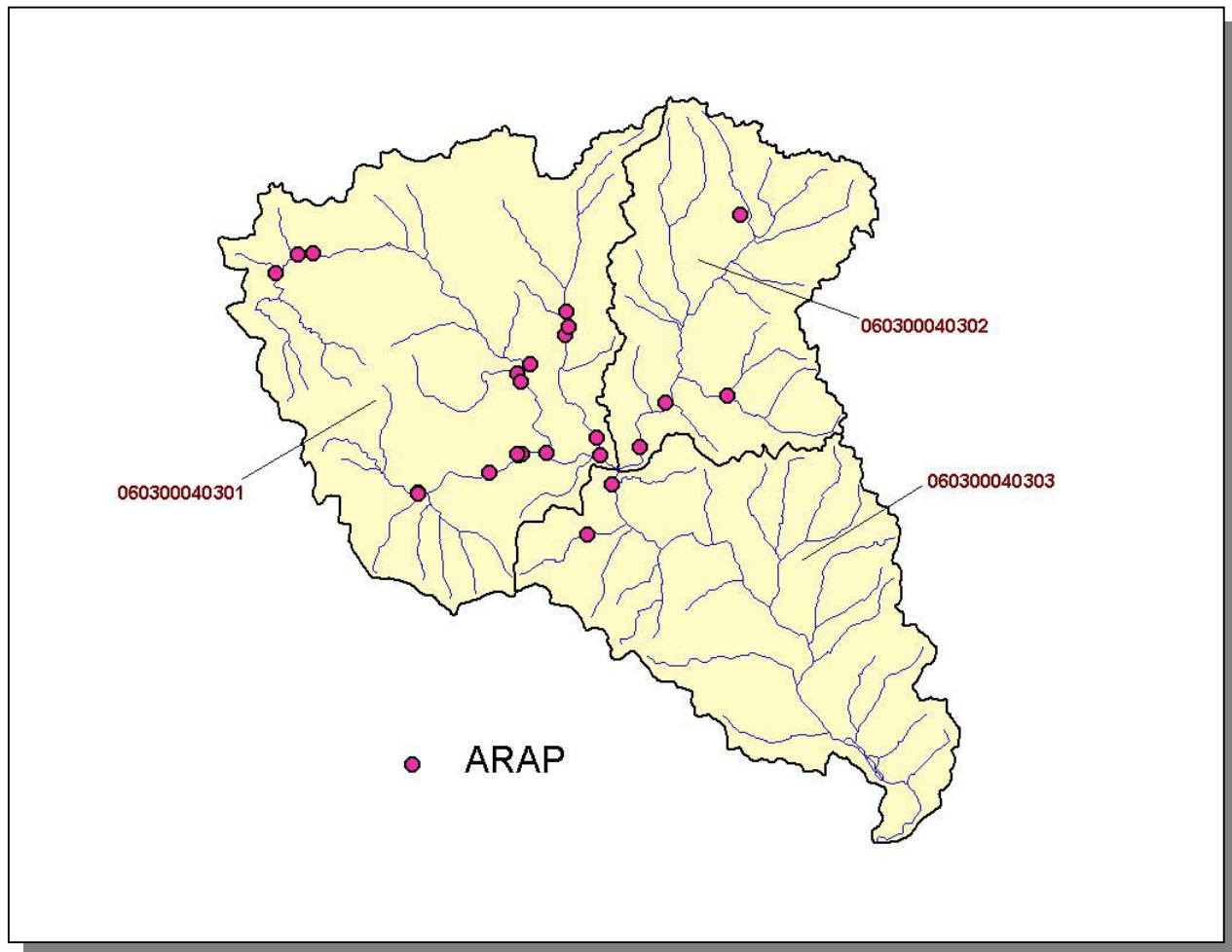


Figure 4-27. Location of Active Point Source Facilities in Subwatershed 0603000403. Subwatershed 060300040301, 060300040302, and 060300040303 boundaries are shown for reference. More information is provided in the following charts.

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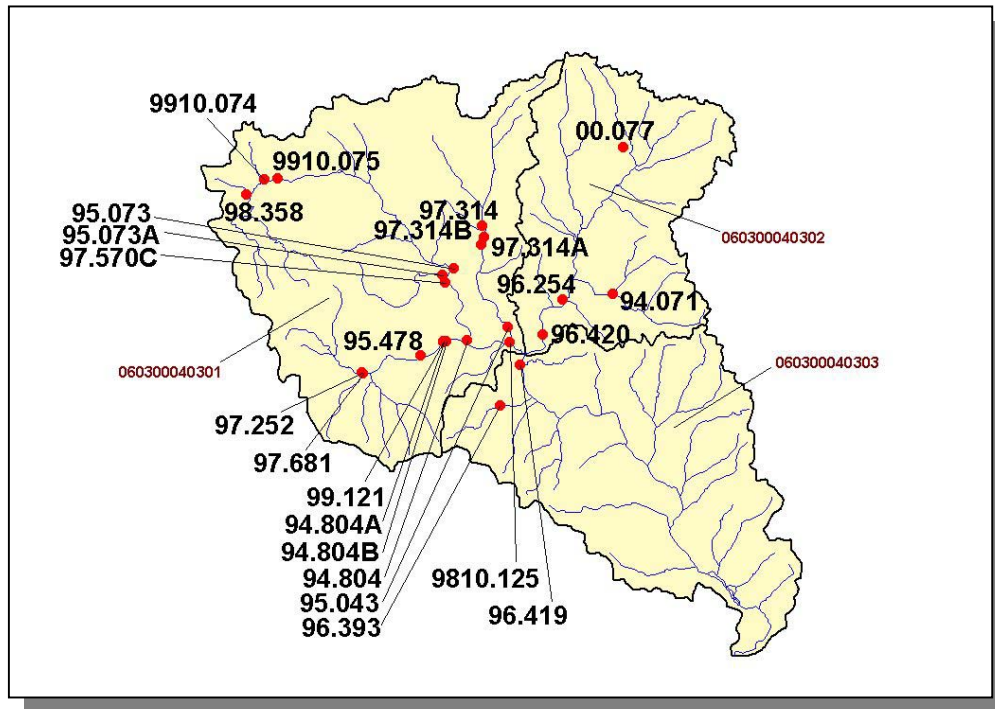


Figure 4-28. Location of ARAP Sites (Individual Permits) in Subwatershed 0603000403. Subwatershed 060300040301, 060300040302, and 060300040303 boundaries are shown for reference. More information, including the names of facilities, is provided in Lower Elk-Appendix IV.

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4.2.C.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
3,055	6,656	310	9	4	971	30

Table 4-19. Summary of Livestock Count Estimates in Subwatershed 0603000403. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Giles	171.8	171.8	3.3	11.4
Lawrence	199.8	199.8	6.6	27.1
McNairy	224.4	224.4	7.0	27.2
Totals	596.0	596.0	16.9	65.7

Table 4-20. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0603000403.

CROPS	TONS/ACRE/YEAR
Grass (Hayland)	0.21
Legume/Grass (Hayland)	0.18
Grass (Pastureland)	0.93
Grass, Forbs, Legumes (Mixed Pasture)	0.69
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Soybeans (Row Crops)	6.92
Corn (Row Crops)	4.39
Cotton (Row Crops)	8.07
All Other Row Crops	2.71
Wheat (Close Grown Cropland)	3.70
Barley (Close Grown Cropland)	1.08
All Other Close Grown Cropland	1.80
Conservation Reserve Program Land	0.33
Summer Fallow (Other Cropland)	0.35
Other Vegetable and Truck Crops	4.29
Farmsteads and Ranch Headquarters	1.06
Other Cropland not Planted	2.21
Nonagricultural Land Use	0.00

Table 4-21. Annual Estimated Total Soil Loss in Subwatershed 0603000403.